

Magon Shield

VIP Protection Against Small Arms Fire



Overview

Magon Shield is a cutting-edge system specially designed to provide full protection of VIPs, against small arms fire. The system detects a single shot while covering a very wide Field Of View (FOV), locates the shooting direction, and automatically activates a protective shield that stops the first bullet from hitting the target.

- Protection Ranges for First Shot at 99% Probability of Detection (PD):
 - Handguns - less than 30 m
 - Rifles - less than 85 m
- Directional Accuracy - less than 0.3°
- Field of View - 130° in Azimuth and 25° in Elevation

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Main Capabilities

- Gunshot detection and protection system for VIPs
- Passive cooled IR-based detection technology
- Automatic detection and protection activation
- Very fast end-to-end reaction time - stops first bullet
- Multiple and simultaneous gunshot handling
- High Probability of Detection (PD)
- Low False Alarm Rate (FAR)
- Wide Field of View infrared sensor/s
- Real-time IR imaging display

The system has an extremely fast end-to-end reaction time, enabling protection against small arms fire at very short range.

The Magon Shield detects the shot flash, and by utilizing sophisticated imaging and processing techniques, it identifies the shooting direction and activates the protective shield/s.

Magon Shield consists of a wide field of view, high rate cooled IR staring sensor, a processor, a display unit with real-time IR imaging display, and a specially designed protective podium.

